

Converting Colors

CIELCh(63, 36.196, 201.939)

Have a look what the booklet for
CIELCh(63, 36.196, 201.939)
contains.

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Color

CIELCh(63, 36.057, 201.917)

Conversions

Conversions Part 1

Format	Color
Hex	01A9AF
RGB	1, 169, 175
RGB Percent	0%, 66%, 69%
CMY	0.9952, 0.3362, 0.3127
CMYK	0.99, 0.03, 0.00, 0.31
HSL	182°, 99%, 35%
HSV	182°, 99%, 69%
XYZ	22.0153, 31.5869, 45.6285
YIQ	119.4520, -102.0540, -33.7500

Conversions

Conversions Part 2

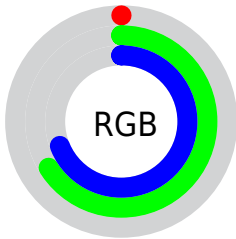
Format	Color
R_{YB}	1, 86, 175
Decimal	108975
CIE Lab	63.00, -33.45, -13.46
CIE LCh	63, 36.057, 201.917
Yxy	31.5869, 0.2219, 0.3183
Android (android.graphics.Color)	4278299055 (0xFF01A9AF)
YUV	119.4520, 27.3852, -103.8824
Hunter-Lab	56.2022, -28.4327, -8.7938

Details

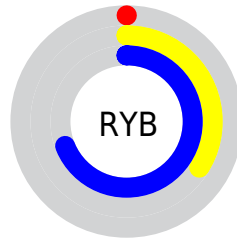
The CIELCh color **63, 36.057, 201.917** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 78.001, 40.144**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 36.096, 201.275**, and **44, 27.175, 205.575** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.089, 201.947**, and if you desaturate by 10%, it is **63, 35.514, 201.482**.

Distribution



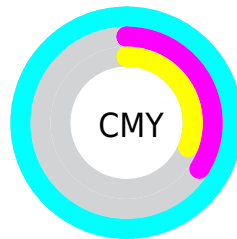
- Red (0%)
- Green (66%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- Blue (69%)



- Cyan (99%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (34%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.057, 201.917 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 63, 36.057, 201.917 by changing the saturation by 10% instead.


 63, 36.057,
201.917


 63, 36.057,
201.917


 100, 36.057,
201.917


 53, 36.057,
201.917


 83, 36.057,
201.917

 43, 36.057,
201.917

 93, 36.057,
201.917

 33, 36.057,
201.917

 23, 36.057,
201.917

 13, 36.057,
201.917

 3, 36.057, 201.917

 0, 36.057, 201.917

■ 63, 36.057,
201.917

■ 63, 36.057,
201.917

■ 63, 36.089,
201.947

■ 63, 35.514,
201.482

■ 64, 34.359,
201.159

■ 64, 32.428,
200.967

■ 65, 29.694,
200.898

■ 66, 26.178,
200.944

■ 67, 21.939,
201.092

■ 68, 17.059,
201.332

■ 69, 11.636,

201.656

■ 70, 5.770, 202.072

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63, 36.057, 201.917



37, 78.001, 40.144

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 36.057, 201.917



63, 36.057, 251.917



63, 36.057, 21.917



63, 36.057, 71.917

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63, 36.056, 201.916



85, 21.447, 201.299



62, 89.619, 136.331



45, 14.504, 201.193



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 36.056, 201.916



80, 43.745, 202.048



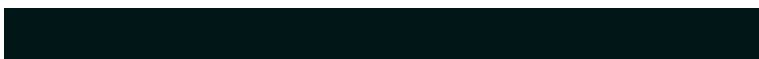
36, 57.572, 286.718



36, 3.480, 202.073



55, 32.269, 201.876



6, 7.421, 203.855

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 84.797, 329.631



53, 102.968, 329.670



48, 63.194, 63.715



34, 6.438, 325.860



35, 75.918, 329.627



2, 13.386, 325.821

Previews

White Background



This preview shows how the CIE LCh color 63, 36.057, 201.917 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 36.057, 201.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

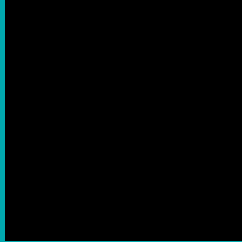
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 36.057, 201.917

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.057, 201.917.

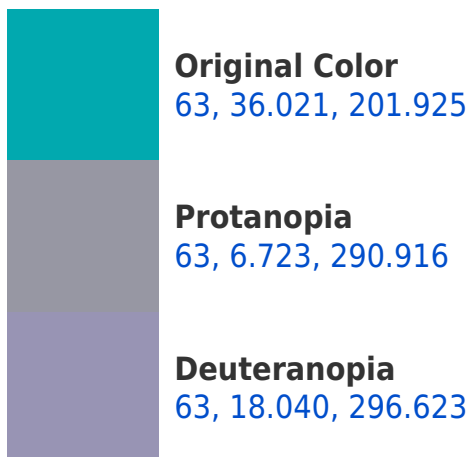



This preview shows how white text looks on a background with the CIELCh color 63, 36.057, 201.917.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



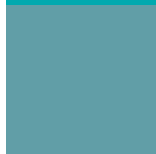


Tritanopia
63, 34.339, 210.110

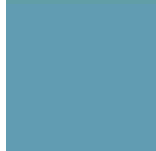
Trichromacy



Original Color
63, 36.021, 201.925



Protanomaly
61, 20.455, 212.200



Deuteranomaly
61, 21.889, 232.799

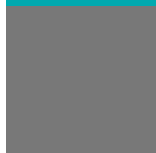


Tritanomaly
63, 34.848, 207.934

Monochromacy



Original Color
63, 36.021, 201.925



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 20.483, 200.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.057, 201.917 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 169, 175)` looks like.

```
.text, #text, p{  
    color:rgb(1, 169, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 169, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 169, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.057, 201.917 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 169, 175) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(1, 169, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(1, 169, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 169, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 169, 175);  
box-shadow:4px 4px 4px 4px rgb(1, 169,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.057, 201.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 169, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 169,  
175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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